



Australian Bureau of Statistics

2079.0 - Census of Population and Housing: Community Profile, DataPack and TableBuilder Templates, Australia, 2016

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Summary

Introduction

INTRODUCTION

The ABS Census of Population and Housing provides a comprehensive picture of Australia's people, how they live and where they reside. Data is provided through a series of products including QuickStats, Community Profiles, DataPacks and TableBuilder. The following templates show the standard tables that will be available when the data is released, starting on 27 June 2017. Users can now identify how the data will be made available as part of Census products and plan requirements for any customised tables.

Customised Data Services are for users to request customised datasets via the online Information Consultancy Form. This is a charged service (in accordance with Commonwealth Cost Recovery Guidelines).

Please note that when the data is released from June 27, the totals in the tables may not equal the sum of the contributing cell values. This is a result of perturbation, a technique applied to ABS outputs that makes small random adjustments to cell values to avoid the release of confidential information. The size of the difference between a total and the sum of the perturbed cells will generally be very small.

Community Profiles

COMMUNITY PROFILES

Community Profiles present Census data in Excel spreadsheets to provide a comprehensive statistical picture of an area.

They include key social, demographic and economic characteristics of people, families and dwellings and cover most topics on the Census form. They can be used to compare different areas or different population groups, providing an excellent tool for research, planning and analysis.

The 2016 Census Community Profiles have been rationalised to provide three key products:

1. A new General Community Profile (combined 2011 Basic and Expanded profiles)
2. Time Series (2006 to 2016) Community Profile
3. Aboriginal and Torres Strait Islander Peoples Community Profile.

Community Profiles will be available from 27 June 2017. Community Profiles will be available for most of the geographies in the 2016 Australian Statistical Geography Standard, from state level down to Statistical Area Level 2. For the 2016 release, the Community Profiles will no longer be available at the SA1 level, however this information will be available in TableBuilder. For the 2016 Census, the former Community Profiles relating to Place of Enumeration and Working Population data will only be available through DataPacks.

Changes have been made to footnotes across the Community Profile and Datapack products.

Table changes have been made to specific tables including :

- General Community Profiles - G08 [Ancestry(a) by Country of Birth of Parents] and G14 [Religious Affiliation by Sex]
- Time Series Profile - T09 [Ancestry(a) by Country of Birth of Parents] and T12 [Religious Affiliation by Age].

DataPacks

DATAPACKS

DataPacks are suitable for experienced data users who have their own database or analysis systems. DataPacks contain data for the main Census characteristics of people, families and dwellings for geographic areas ranging from a single Statistical Area Level 1 to the whole of Australia. Use DataPacks if you want Community Profile data for numerous geographic areas.

Sample DataPacks are based on the following Community Profiles:

1. A new General Community Profile (combined 2011 Basic and Expanded profiles)
2. Time Series (2006 to 2016) Community Profile
3. Aboriginal and Torres Strait Islander Peoples Community Profile.

DataPacks will be available from 12 July 2017.

The following DataPack samples display the format of the 2016 data files complete with short header descriptors. They also contain metadata files and help documentation.

DataPack files will include 2016 Census data and Digital boundary files. The July release of DataPacks will include the three Community Sample profiles as listed above plus the Place of Enumeration Profile.

Changes have been made to footnotes across the Community Profile and Datapack products.

Table changes have been made to specific tables including :

- General Community Profiles - G08 [Ancestry(a) by Country of Birth of Parents] and G14 [Religious Affiliation by Sex]
- Time Series Profile - T09 [Ancestry(a) by Country of Birth of Parents] and T12 [Religious Affiliation by Age]

The above changes have also resulted in changes to header and sequential numbering

within Datapack files including:

- General Community Profile csvs G08 replaces G08A and G08B sequential numbering for csvs beyond G09 have all changed. Short headers have changed for G13A.
- Aboriginal and Torres Strait Islander Peoples Profile - the metadata file long header column labels have changed for this column.
- Time Series Community Profile csvs T09A, T09B, T09C replaces T09A, T09B, T09C and T09D, sequential numbering for csvs beyond T09 have all changed.

TableBuilder

CENSUS TABLEBUILDER

TableBuilder allows users to build their own tables using Census data items. For 2016, the ABS has reviewed the TableBuilder product, including the structure of the Census datasets (the type and number) to improve the user experience.

Census TableBuilder will provide the full range of 2016 Census data items and geographies and support a wide range of cross tabulations. There are three levels of Census TableBuilder access.

Census TableBuilder Guest

TableBuilder Guest is a free product that enable users to access the TableBuilder Basic datasets without needing to register an email address.

Guest users can create and download tables up to 10,000 cells, create and download graphs or thematic maps, and display data by counts or percentages. However, users will not be able to save tables, submit large tables or save recodes.

Census TableBuilder Basic

TableBuilder Basic is a free registered product that allows users to access basic datasets. Basic users have access to all TableBuilder features, including the ability to save a table online and to create custom recodes.

The ABS has consolidated the datasets that were available in 2011 to improve the user experience and allow users to cross tabulate with more data items. The 2016 Census TableBuilder Basic datasets are:

- 2016 Census - Cultural Diversity
- 2016 Census - Employment, Income and Education
- 2016 Census - Internal Migration
- 2016 Census - Selected Dwelling Characteristics
- 2016 Census - Selected Family Characteristics

Additional changes to the Basic datasets include:

- State Suburbs, Postal Areas, Australian Drainage Divisions and National Resource

Management Regions are no longer available by SA1 due to changes in the Australian Statistical Geography Standard (ASGS).

- Inclusion of imputation flag data items to enable users to enhance their understanding of the dataset.
- Inclusion of data items providing information about families with persons temporarily absent on Census night.

Census TableBuilder Pro

TableBuilder Pro is the ultimate Census data analysis tool. It provides the full range of Census variables, supports a wide range of cross tabulations and allows users to build complex customised tables up to 40 million cells.

For the 2016 Census data release, the ABS has continued to improve the value provided to TableBuilder Pro users by including additional data items and geographies. The 2016 Census TableBuilder Pro datasets are:

- 2016 Census - Counting Dwellings, Place of Enumeration
- 2016 Census - Counting Families, Place of Enumeration
- 2016 Census - Counting Persons, Place of Enumeration
- 2016 Census - Counting Persons, Place of Usual Residence
- 2016 Census - Counting Persons, Place of Work
- 2016 Census - Counting Persons, Estimating Homelessness
- 2016 Experimental Index of Household Advantage and Disadvantage - Counting Persons, Place of Enumeration
- 2016 Experimental Index of Household Advantage and Disadvantage - Counting Families, Place of Enumeration
- 2016 Experimental Index of Household Advantage and Disadvantage - Counting Dwellings, Place of Enumeration

Additional changes to the Pro datasets include:

- Inclusion of Mesh Block geographies to support analysis in small geographical areas.
- Addition of the Primary Health Network geography.
- Inclusion of Grandparent Family data items. These were previously only available by request.

System restrictions have been implemented which prevent the cross-tabulation of certain data items within the following 2016 Census Pro datasets:

- 2016 Census - Counting Persons, Place of Enumeration
- 2016 Census - Counting Families, Place of Enumeration
- 2016 Census - Counting Persons, Estimating Homelessness
- 2016 Experimental Index of Household Advantage and Disadvantage - Counting Persons, Place of Enumeration
- 2016 Experimental Index of Household Advantage and Disadvantage - Counting Families, Place of Enumeration

These restrictions have been applied to:

- maintain the confidentiality of respondents

- ensure the output of quality data
- assist users by not allowing combinations of data items that statistically should not be combined.

When the restriction is triggered the following error message will be displayed: "These variables cannot be used together". Other similar data items may be available. For example, if you are using Geographical Areas from Mesh Block (MBs), you may be able to use another Geographical Area data item instead, such as Main Statistical Area Structure (Main ASGS).

Accessing Census TableBuilder Pro requires a paid subscription. For information about subscription pricing, see [Microdata prices](#).

Access

To access Census TableBuilder datasets, please register or log in. A Census TableBuilder Pro subscription is required to access Pro datasets.

Data

A Data Items List for all TableBuilder Basic and Pro databases is available via the Downloads tab. This summarises the variables and geographies available in each database.

Data from the 2006 and 2011 Censuses will continue to be available in TableBuilder.

About this Release

The 2016 Census Community Profile templates show the standard tables that will be available when the data is released, starting on 27 June 2017 so that users can identify what data is available as part of standard Census products and plan requirements for any customised tables. Customised Data Services are for users to request customised datasets via the online Information Consultancy Form. This is a charged service (in accordance with Commonwealth Cost Recovery Guidelines).

Please note that this publication will be updated in May to include product shells for DataPacks and TableBuilder.

History of Changes

29/10/2019: 2016 Experimental Index of Household Advantage and Disadvantage (IHAD) datasets made available via Census TableBuilder Pro. Updated 2016 TableBuilder - Basic and Pro Data Items List.

23/08/2019: Additional information for Census TableBuilder Pro system restrictions now included in the 'Using TableBuilder for Census Data' chapter. Updated 2016 TableBuilder - Guest, Basic and Pro Data Items List.

16/08/2019: Updated 2016 TableBuilder - Guest, Basic and Pro Data Items List.

21/08/2018: Updated 2016 TableBuilder - Guest, Basic and Pro Data Items List.

27/03/2018: Updated 2016 TableBuilder - Basic and Pro Data Items List, including SEIFA, Distance to Work and NIRA data items.

23/10/2017: Updated 2016 TableBuilder - Basic and Pro Data Items List released.

01/09/2017: Additional information for TableBuilder and updated 2016 TableBuilder - Basic and Pro Data Items List released.

02/06/2017: Additional information for TableBuilder Pro databases released.

01/06/2017: Information about TableBuilder shells release updated.

31/05/2017: Additional information and instructions on accessing shell files included for 2016 Census TableBuilder. Shell files for DataPacks and Community Profiles have been revised and updated.

12/05/2017: Additional information and sample shell files included for 2016 Census DataPacks.